ATTACHMENT 1 KONICA MINOLTA TECHNOSEARCH CO., LTD.

2005/07/06

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ATTACHMENT

Tokuyama Aluminum nitride (AlN) home page:

Uniform quality, large-sized AIN ceramics. You can select two grades of pressed sintered products to meet your needs.



Properties

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		CONTROL SCHOOL SALES	(Discount of the Control of the Cont
Contents - FLANDARA 4 NA	%	>≈ 94.0	>= 99.0
			00 0
	. %	>= 94.8	>= 89.8
Puny(al TN + O)			
Coreby To The Core of the Core	_,8 .	3.33	3.24
Density	g/cm³	3.33	3,24
	Ω·cm	1 1-1014	3.1×10 ¹⁵
E schice - Nonle bas and A.	r.c.	1.1210	0.1210
Electrical Youth Resistivity	1		
Dielectic Constant (Rt. 1) (Re)	<u>,</u>	9.1	8.9
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pieleuro toes (83 nV/A2)	į.	3.0x10 ⁻⁴	2.6x10 ⁻⁴
		•	
With Bland Strength	P:		
William Steadt	(kV/mm)	31.3	18.7
	7		
Thermal Parmel Expension Coefficient	ri Programa	4 5 4 5 16	0.0.40-5
Thermal That well Expension Confident	(に,).	4.3x10 ⁻⁸	3.9x10 ⁻⁶
Service Control of the Control of th	ş S		
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Tagosal Conductivity at 20°C	ŭ W/(m⋅K)	184	00
	S		
	∰ W/(m·K)	159	_
Thermal Conductivity at TU'C	AAT(11617)	100	
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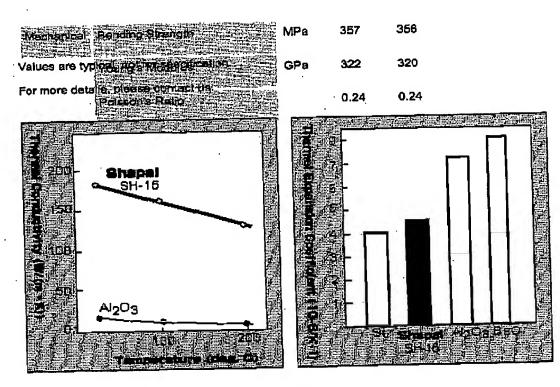


Fig 1:
Thermal Conductivity by
Temperature

Fig 2:
Thermal Expansion coefficient